



Xerox Docket No. D/A2413

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Joel A. KUBBY et al.

Application No.: 10/712,200

Filed: November 12, 2003

Docket No.: 118449

For: MEMS WAVEGUIDE SHUTTLE OPTICAL LATCHING SWITCH

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.

- ☒ 3. Co-pending U.S. patent applications are identified on Form PTO 1449 of this Information Disclosure Statement. The Examiner is respectfully requested to consider each cited application and the art cited therein during examination of the present application.

Respectfully submitted,



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DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 24-0037

Form PTO-1449		Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 118449		APPLICATION NO. 10/712,200	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT Joel A. Kubby et al.			
				FILING DATE 11/12/2003		GROUP ART UNIT	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE			CLASS	SUB CLASS
	5,078,514	1/7/1992	Valette et al.			385	20
	5,612,815	3/18/1997	Labeye et al.			359	320
	5,909,078	6/1/1999	Wood et al.			310	307
	6,303,885 B1	10/16/2001	Hichwa et al.			200	181
	6,388,359 B1	5/14/2002	Duelli et al.			310	309
	6,407,478 B1	6/18/2002	Wood et al.			310	307
	6,428,173 B1	8/6/2002	Dhuler et al.			359	872

FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N

OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

	WATTS, R. and SOREF, R.A., "Electromechanical Optical Switching and Modulation in Micromachined Silicon-on-Insulator Waveguides", IEEE Int. SOI Conference Proceedings, 1991, page 62
	ENG, T.T.H.; SIN, S.S.Y.; KAN, S.C. and WONG, G.K.L., "Surface-micromachined Movable SOI Optical Waveguides", Transducers '95, 8 th Int. Conf. on Solid-State Sensors and Actuators, and Eurosensors IX, 1995, pages 348-350.
	ENG, T.T.H.; SIN, S.S.Y.; KAN, S.C. and WONG, G.K.L., "Micromechanical Optical Switching with Voltage Control Using SOI Movable Integrated Optical Waveguides", IEEE Photonics Tech. Letters, Vol. 7, No. 11, November 1995, pages 1297-1299.
	OLLIER, E. and MOTTIER, P., "Integrated electrostatic micro-switch for optical fibre networks driven by low voltage", Electronics Letters, October 10, 1996, Vol. 32, No. 21, pages 2007-2009.
	BEZZAOUI, H. and VOGES, E., "Integrated optics combined with micromechanics on silicon", Sensors and Actuators A. 29 (1991), pages 219-223.
	OLLIER, E; CHABROL, C.; ENOT T.; BRUNET-MANQUAT, P.; MARGAIL, J. and MOTTIER, P., "1x8 Micro-Mechanical Switches Based on Moving Waveguides for Optical Fiber Network Switching", IEEE, 2000.
	OLLIER, E; LABEYE, P. and REVOL, F, "Micro-opto mechanical switch integrated on silicon", Electronics Letters, November 9, 1995, Vol. 31, No. 23, pages 2003-2005.
	U.S. Patent Application No. 10/703,382
	U.S. Patent Application No. 10/721,724
	U.S. Patent Application No. 10/721,203
EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	